



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/779,919	02/08/2001	Bradford T. Graves	47171-00265	6498

41230 7590 10/13/2005

CUMMINS-ALLISON CORP.  
C/O JENKENS & GILCHRIST  
225 WEST WASHINGTON STREET, SUITE 2600  
CHICAGO, IL 60606

EXAMINER
----------

AHMED, SAMIR ANWAR

ART UNIT	PAPER NUMBER
----------	--------------

2623

DATE MAILED: 10/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action  
Before the Filing of an Appeal Brief**

Application No.

09/779,919

Applicant(s)

GRAVES ET AL.

Examiner

Samir A. Ahmed

Art Unit

2623

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 06 September 2005 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☒ The period for reply expires 4 months from the mailing date of the final rejection.  
b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**NOTICE OF APPEAL**

2. ☐ The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

**AMENDMENTS**

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because  
(a) ☐ They raise new issues that would require further consideration and/or search. (see NOTE below);  
(b) ☐ They raise the issue of new matter (see NOTE below);  
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or  
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).  
5. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.  
6. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).  
7. ☒ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☒ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.  
The status of the claim(s) is (or will be) as follows:  
Claim(s) allowed: \_\_\_\_\_.  
Claim(s) objected to: 10-12, 16, 17, 19 and 20.  
Claim(s) rejected: 1-9, 13-15, 18 and 21-39.  
Claim(s) withdrawn from consideration: \_\_\_\_\_.

**AFFIDAVIT OR OTHER EVIDENCE**

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).  
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).  
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

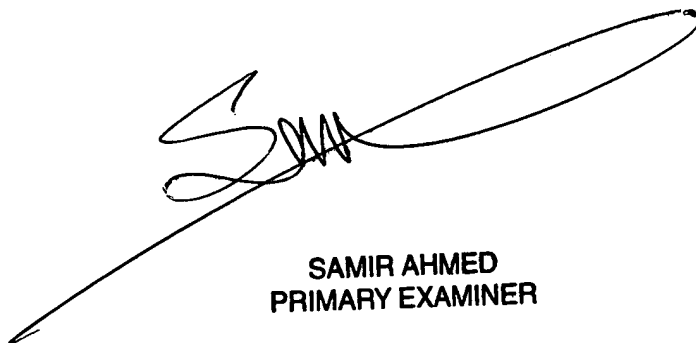
**REQUEST FOR RECONSIDERATION/OTHER**

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
See Continuation Sheet.  
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s). \_\_\_\_\_.  
13. ☐ Other: See Continuation Sheet.

Continuation of 11. does NOT place the application in condition for allowance because: Applicant's arguments filed 9/27/05 have been fully considered but they are not persuasive for the following reasons:

Applicant alleges, " Laskowski '413 [,]" (page 9, line 20-page 24, line 2). The Examiner disagrees. Firstly, the formula cited at col. 8, calculates the level of correlation between sensed value set data x (either reflectance values or the transmitted values) and the corresponding value in the stored value set y. It is clear that the level of correlation of transmission or reflectance values (reflectance ratio) is calculated separately in a transmission mode and reflectance mode (col. 8, line 60-65, col. 9, lines 1-4). Secondly, Laskowski'413 discloses multiplying the overall value for transmission (master transmitted light value) and overall value for reflectance together to calculate a final value (col. 8, lines 65-67). It is clear that the correlation transmission value is changed (adjusted) by multiplying it with the correlation reflectance value and the result is an adjusted correlation transmission value indicative of correlation of the stored value set and the test note (col. 8, line 67) and by doing this the correlation values calculated may be tailored to note properties and areas of interest (col. 9, lines 16-19). The correlation value is used to determine severely damaged notes or notes that exhibit signs of abuse (i.e., to indicate that the note is unfit) (col. 9, lines 43-50). Carnes discloses that it is well known and conventional to determine the fitness of a bill such as the adhesion of one bill to another by detecting the light transmissivity of a bill and compare it to a predetermined light transmissivity characteristic representative of a fit bill. One of ordinary skill in the art would use Carnes teaching to modify Laskowski'413 by comparing Laskowski's adjusted master transmitted light value (adjusted transmissivity to a predetermined light transmissivity characteristic representative of a fit bill (transmitted light value for the test document) in order to detect the adhesion of one bill to another and examine the sever mutilation of bilss in an automated examination system which increases the system accuracy.

Continuation of 13. Other: The amendment has overcome the 112, second paragraph rejection of claims 1-13, 25, 28-31.



**SAMIR AHMED**  
**PRIMARY EXAMINER**